

Fact sheet - solving informatics pain in HCS

SIGNALS IMAGE ARTIST

Storage & management	Image analysis	Data transfer
Scalable storage by supporting object store MinIO, NetApp, AWS S3 and google Store	Fast image analysis powered by High Performance Computing (SLURM)	Automated data transfer from Signals Image Artist to Signals Research Suite
Support for all major HCS and cellular imaging systems	Mini-batch analysis (analyze subsets of wells only)	Auto-publishing for REST-API access
Maintaining vendor specific image data format (incl. all metadata)	Cell Painting – basic, standard and extensive property sets	Image Data Import via Signals Image Artist loader or command line
High Performance Computing (SLURM) without data duplication.	3D Analysis – Segmentation, volumetric characterization, classification	Secure https communication
User access via web-browser	Kinetic & Fast Kinetic support - including movie player	
Docker containerization supports major operating systems	Proven easy to use image analysis with assay language building blocks (Acapella-based)	
User and group management incl. LDAP and Active Directory configuration		

